

Title (en)

Fire and heat resistant materials

Title (de)

Feuer- und Hitze -beständige Materialien

Title (fr)

Matériaux résistants au feu et à la chaleur

Publication

EP 1106744 A1 20010613 (EN)

Application

EP 99309921 A 19991209

Priority

EP 99309921 A 19991209

Abstract (en)

A rigid composite material comprising a fire retardant fibrous element, an intumescent material and a resin is provided. When the composite material is exposed to conditions under which charring of the fire retardant fibrous element, intumescent and resin occurs, the charred surfaces of the fire retardant fibrous element, intumescent and resin to bond together. Methods of preparing the composite material are also provided. The materials can be used in load bearing applications and are able to act as fire barriers under conditions of heat and flame.

IPC 1-7

E04B 1/94

IPC 8 full level

B32B 5/26 (2006.01); **E04B 1/94** (2006.01)

CPC (source: EP US)

B32B 5/26 (2013.01 - EP US); **E04B 1/942** (2013.01 - EP); **B32B 2260/021** (2013.01 - US); **B32B 2260/046** (2013.01 - US); **B32B 2307/3065** (2013.01 - US)

Citation (applicant)

- GB 2279084 A 19941221 - BRITISH TECH GROUP [GB]
- EP 0631515 B1 19960828 - BRITISH TECH GROUP [GB]

Citation (search report)

- [DY] EP 0631515 B1 19960828 - BRITISH TECH GROUP [GB]
- [YA] GB 2052305 A 19810128 - ICI LTD

Cited by

EP2602104A1; CN104114357A; EP3296099A1; EP3093120A1; EP3292998A1; US10144200B2; US10487745B2; WO2023222244A1; WO2007028974A1; WO2013083268A1; EP2094364B1

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